

Fig. 1

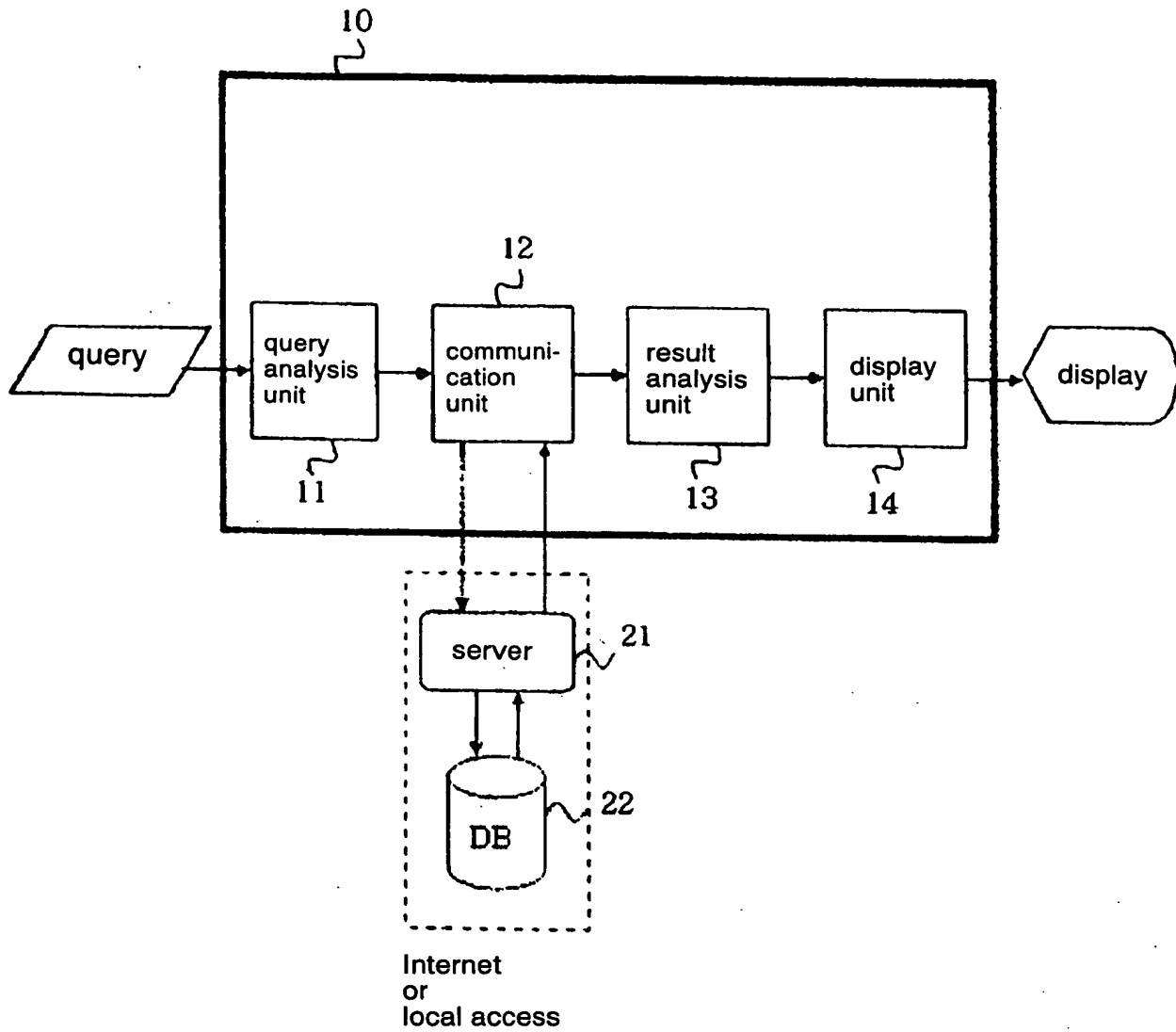


Fig. 2

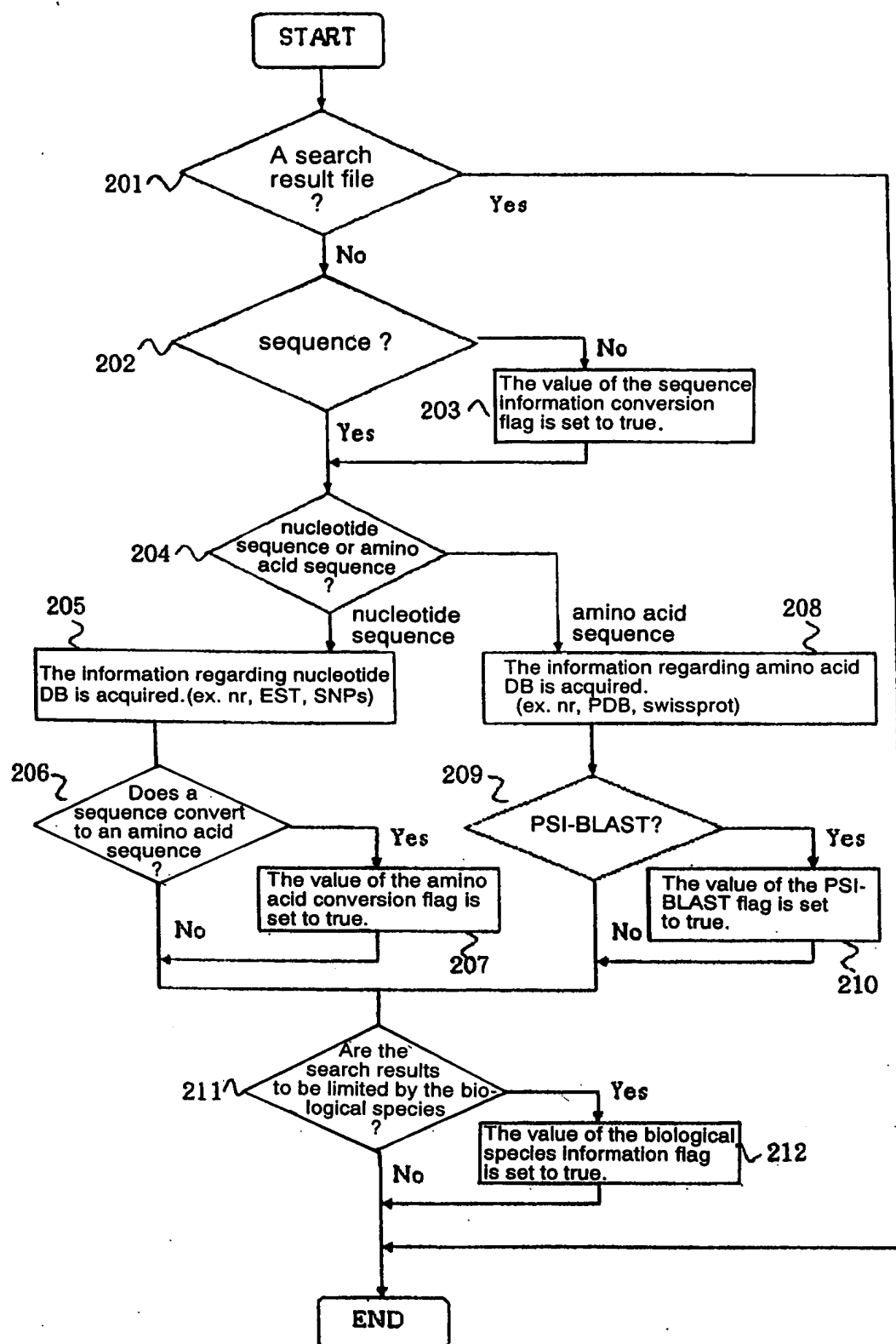


Fig. 3

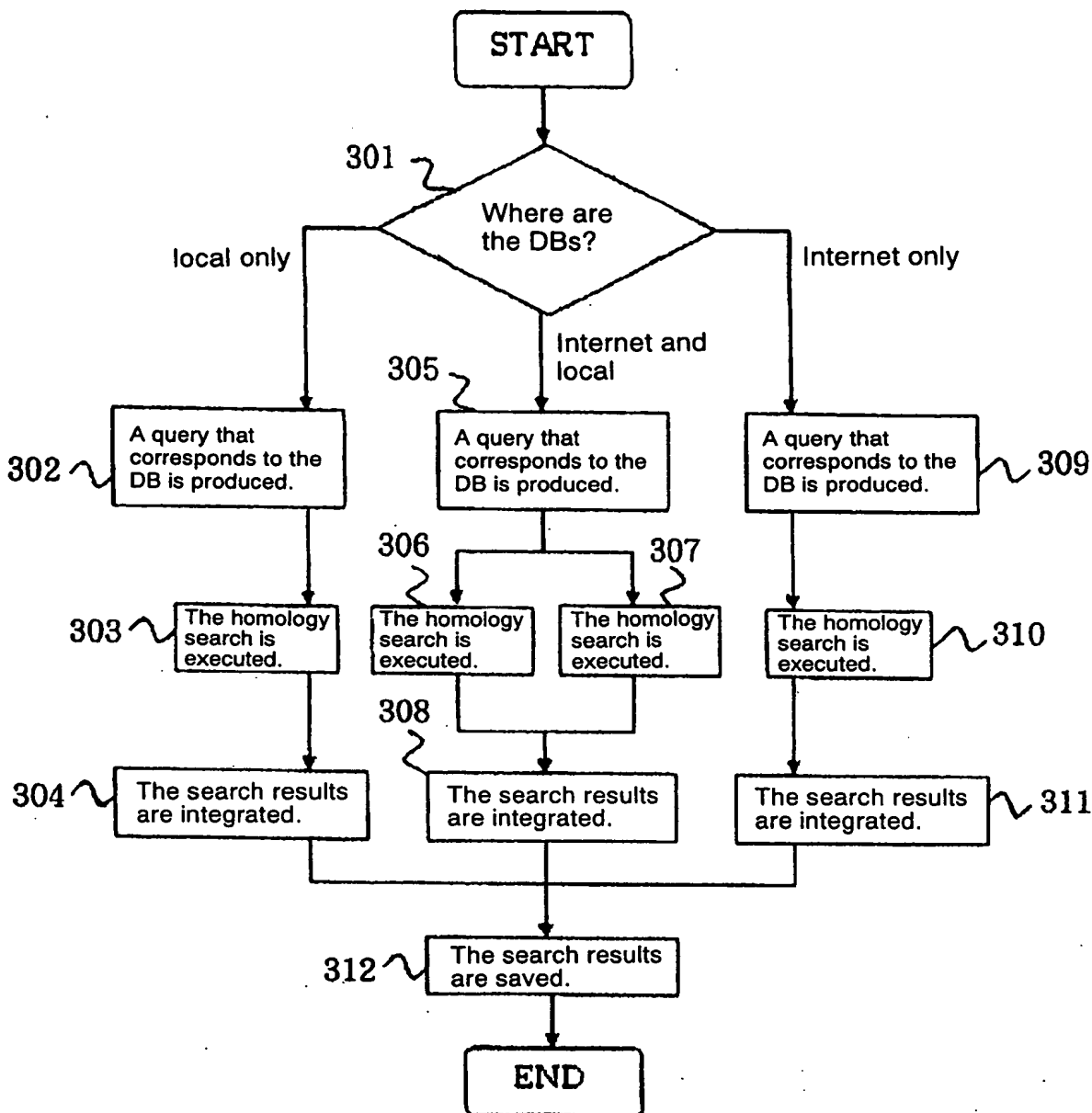


Fig. 4

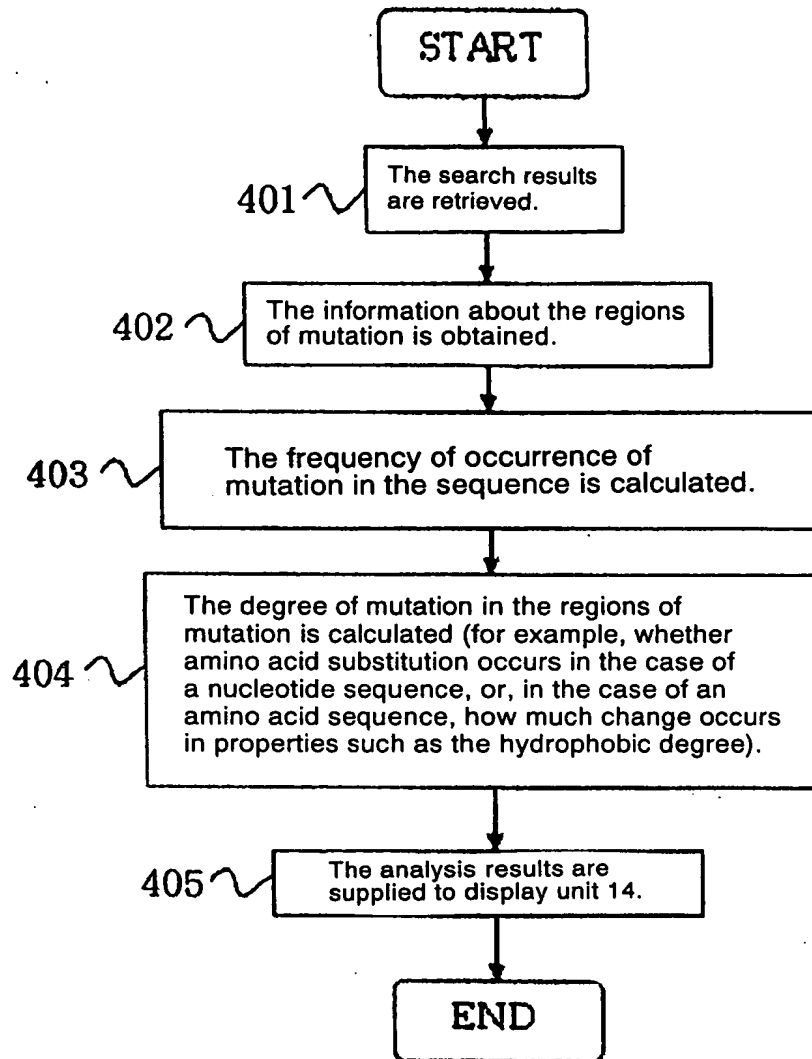


Fig. 5

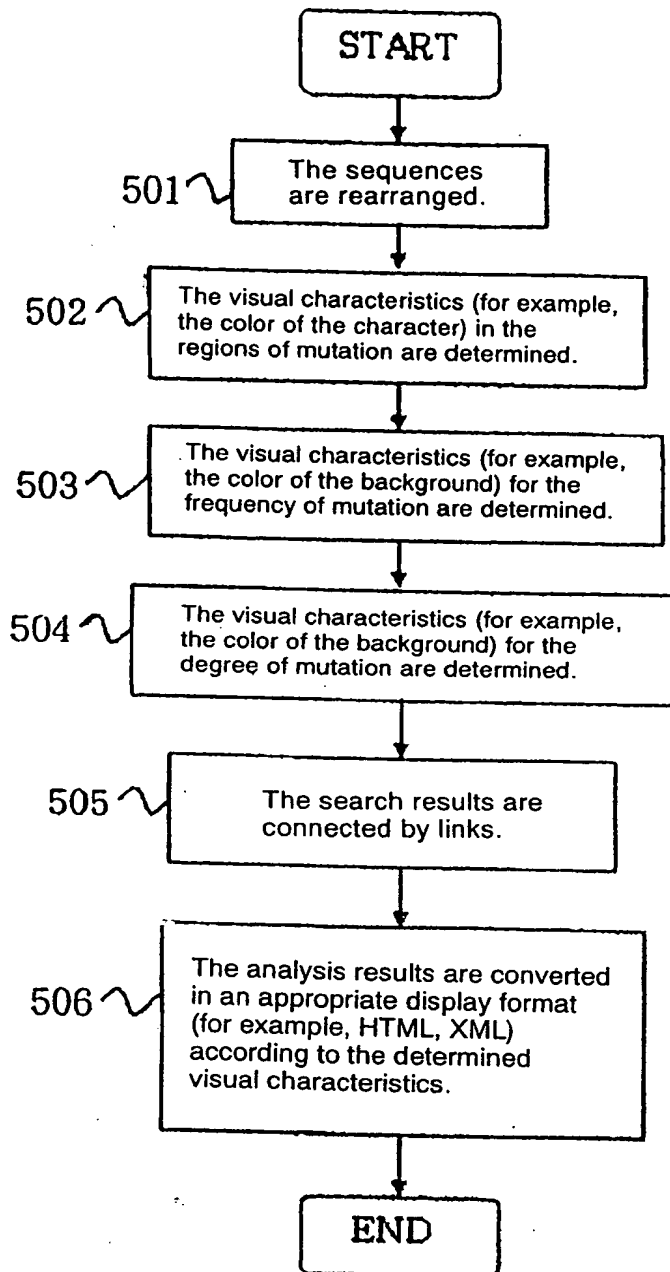


Fig. 6

### Blast Auto Submission Form

If you submit, your query send to NCBI BLAST, and parse results.

Enter your Query

or Enter Query File

Choose database ☒ Human nr ☒ Human EST ☒ Human SNPs  
Limit by entrez query select from:

Display translated codon ☒ check this out, ex) query is promoter

To submit the query.  To clear the form

### Blast Result Parser Form

If you submit, parse BLAST Result.

Enter your Query

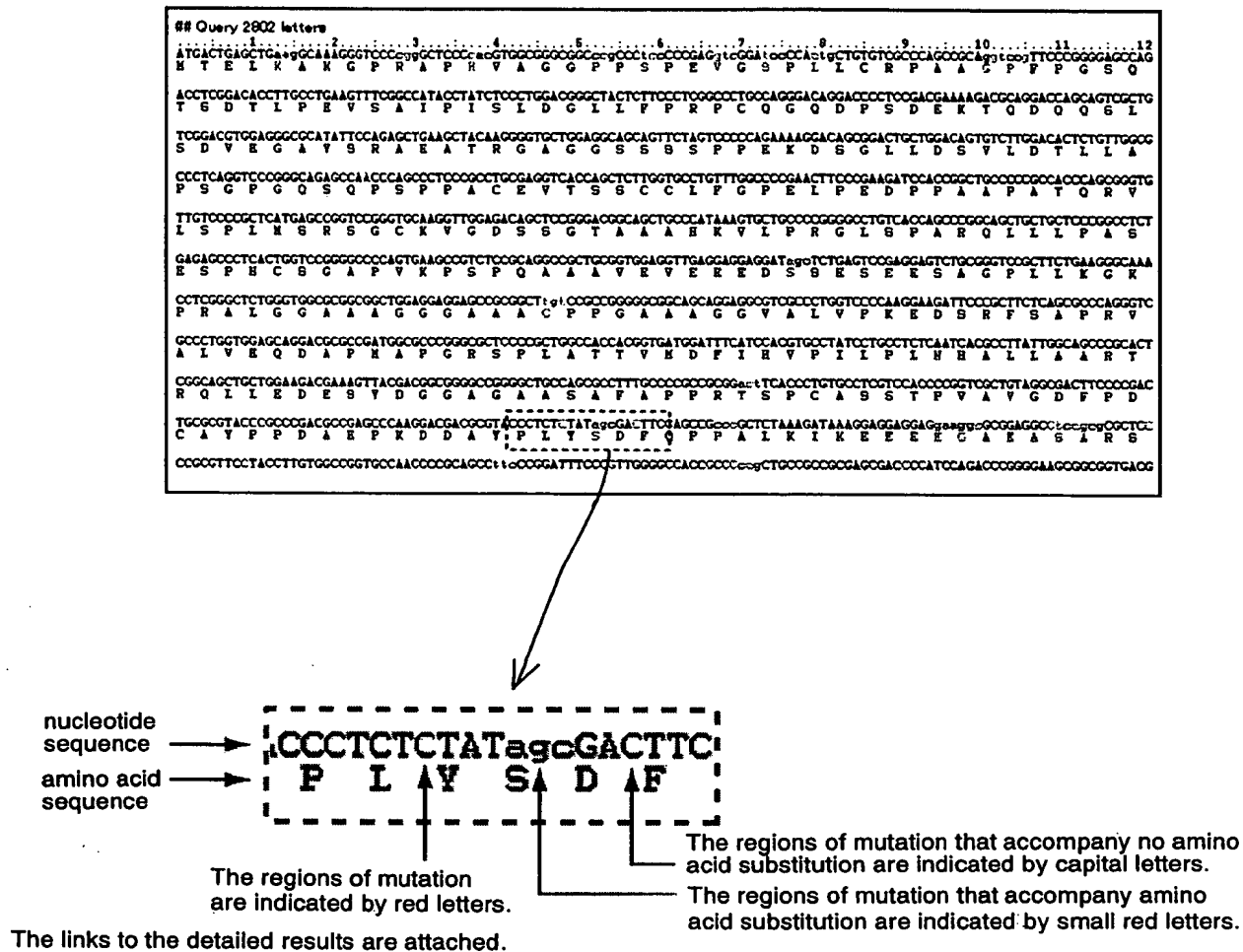
or Enter Query File

Enter Blast Result File

Enter Blast Result File

Enter Blast Result File

To submit the query.  To clear the form



## ## ALIGNMENTS

```
Sequence ID >>
Query 1 - 60
gnl|dbSNP|rs2008112
g1|356511|camb|X51730.1|HSPREC
g1|4012792|gb|AF016381.1|AF016381
g1|4505766|ref|NM_
g1|189934|gb|U15716.1|HUMPGRR
g1|22759951|dbj|AB085845.1
g1|22759949|dbj|AB085844.1
g1|22036116|dbj|AB085693.1
g1|22078870|dbj|AB084248.1
g1|22759947|dbj|AB085843.1
g1|14245763|dbj|AP001533.4
```

[illegible]

```

Sequence ID1 >> <<
Query 1801 - 1860
gi|19692498|emb|AL709143.1|AL709143
gi|19538608|gb|BI822058.1|BI822058
gi|15943587|gb|BI832037.1|BI832037
gi|22921092|gb|BU570792.1|BU570792
gi|24718432|gb|CA388844.1|CA388844
gi|24117946|gb|BU929216.1|BU929216
gi|14002248|gb|BG723061.1|BG723061
gi|11005321|dbj|AU143800.1|AU143800
gi|9868000|dbj|AV647486.1|AV647486
gi|9868497|dbj|AV647483.1|AV647483
gi|9868443|dbj|AV647429.1|AV647429
gi|4687594|gb|AT636264.1|AT636264
gi|4223439|gb|AT393982.1|AT393982
gi|21249223|gb|BQ446111.1|BQ446111
gi|9868694|dbj|AV647680.1|AV647680
gi|11001479|dbj|AU139958.1|AU139958
gi|5928014|emb|AL037033.3|AL037033
gi|2984958|gb|AA876157.1|AA876157
gi|9775354|gb|BE546709.1|BE546709
gi|18046606|gb|BM312261.1|BM312261
gi|15263605|gb|BI438915.1|BI438915
gi|8141283|gb|AV951606.1|AV951606
gi|2034652|gb|AA382009.1|AA382009
gi|13720136|gb|BG198449.1|BG198449
gi|11309168|gb|EF350094.1|EF350094
gi|3001851|gb|AA866743.1|AA866743
gi|10995584|dbj|AU138063.1|AU138063

```

[illegible]



Fig. 9

### Blast Auto Submission Form

If you submit, your query send to NCBI BLAST, and parse results.

Enter your Query

or Enter Query File

Choose database

Limit by entrez query select from:

PSI BLAST iteration

 means standard blastp

To submit the query.  To clear the form

### Blast Result Parser Form

If you submit, parse BLAST Result.

Enter your Query

or Enter Query File

Enter Blast Result File

Enter Blast Result File

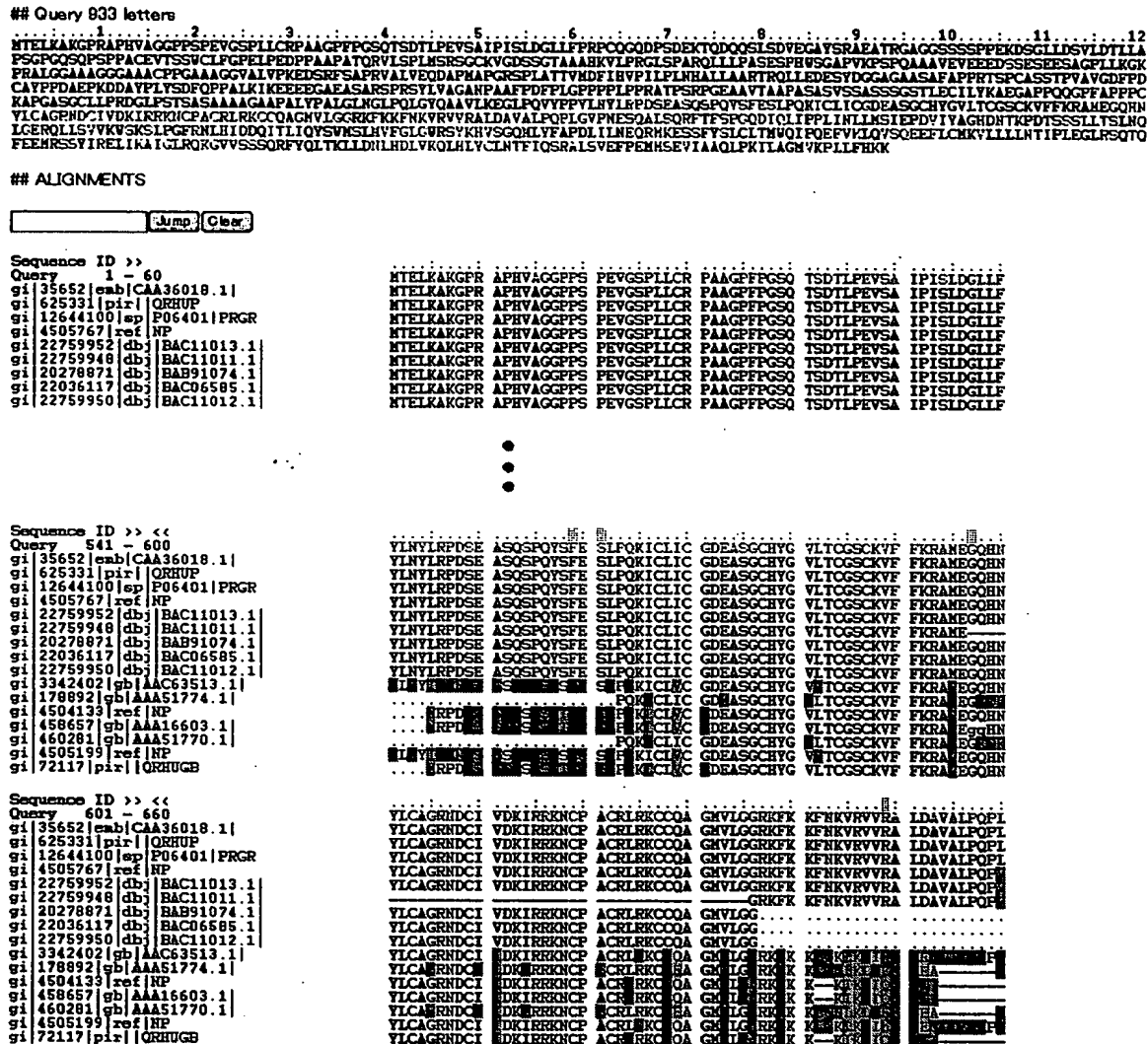
 

Enter Blast Result File

To submit the query.  To clear the form

Fig. 10



**Fig. 11**

[illegible]

Fig. 12

>gi|20810385|gb|BC028856.1| **LU** Mus musculus, solute carrier family 28, member 6, clone MGC:25824  
 IMAGE:4165726, mRNA, complete cds  
 Length = 2681

Score = 44.1 bits (22), Expect = 1.1  
 Identities = 85/106 (80%)  
 Strand = Plus / Plus

Query: 1282 gacagtaaccaggagctcgttcgtctcggctcagtaacacagtgaggaggtttctccag 1341  
 |||||  
 Sbjct: 1220 gacagtaaccaggagctcgttagcccttggcctcagtaacctcattgaggctttctccag 1279

Query: 1342 tctactcgcgtcacctcctccatgtcccgtagcctggtcaggaga 1387  
 |||||  
 Sbjct: 1280 tcttcccccgtgagctgctccatgtctcggagcttggtagaggaga 1325

Score = 44.1 bits (22), Expect = 1.1  
 Identities = 25/26 (96%)  
 Strand = Plus / Plus

Query: 1805 tgtactttgccaatgctgagctctac 1830  
 |||||  
 Sbjct: 1748 tgtacttcgccaatgctgagctctac 1768

>gi|22775306|gb|AY049076.1| **LU** Mus musculus anion exchanger SLC26A6a mRNA, complete cds  
 Length = 2552

Score = 44.1 bits (22), Expect = 1.1  
 Identities = 85/106 (80%)  
 Strand = Plus / Plus

Query: 1282 gacagtaaccaggagctcgttcgtctcggctcagtaacacagtgaggaggtttctccag 1341  
 |||||  
 Sbjct: 1158 gacagtaaccaggagctcgttagcccttggcctcagtaacctcattgaggctttctccag 1215

Query: 1342 tctactcgcgtcacctcctccatgtcccgtagcctggtcaggaga 1387  
 |||||  
 Sbjct: 1216 tcttcccccgtgagctgctccatgtctcggagcttggtagaggaga 1261

Score = 44.1 bits (22), Expect = 1.1  
 Identities = 25/26 (96%)  
 Strand = Plus / Plus

Query: 1805 tgtactttgccaatgctgagctctac 1830  
 |||||  
 Sbjct: 1678 tgtacttcgccaatgctgagctctac 1704

Fig. 13

